

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled.

CASCADE SYSTEM FOR NETWORK UNITS

the specification of which (check applicable box(es))

- ☒ is attached hereto
☐ was filed on _____

as U S Application Serial No. _____

(Atty Dkt No _____)

☐ was filed as PCT International application No _____ on _____

and (if applicable to U S or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application.

Priority Foreign Application(s)

Application Number

0130798.2

Country
Great Britain

Day/Month/Year Filed
22 December 2001

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application.

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented
pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Farris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37332; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1	Inventor's Signature	<u>B. Donoghue</u>			Date:	<u>15th January 2002</u>
	Inventor:	Bryan	J	DONOGHUE		GB
		(first)	MI	(last)		(citizenship)
	Residence (city)	St Albans			(state/country)	Great Britain
	Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England				
	(Zip Code)	AL1 5VE				
2	Inventor's Signature				Date:	
	Inventor:	Quang	T	TRAN		GB
		(first)	MI	(last)		(citizenship)
	Residence (city)	Wokingham			(state/country)	Great Britain
	Post Office Address	3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England				
	(Zip Code)	RG41 3TR				

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

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Page 2

3	Inventor's Signature Inventor:	<u>Eugene</u> (first)	<u>NMI</u>	<u>O'NEILL</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>			
	Post Office Address	<u>7 Deerpark Avenue, Castleknock, Dublin 15, Ireland</u>				
	(Zip Code)	_____				
4	Inventor's Signature Inventor:	<u>David</u> (first)	<u>J</u> MI	<u>LAW</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Edinburgh</u>	(state/country) <u>Great Britain</u>			
	Post Office Address	<u>Fiat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland</u>				
	(Zip Code)	<u>EH3 8DX</u>				
5	Inventor's Signature Inventor:	<u>Paul</u> (first)	<u>J</u> MI	<u>MORAN</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Hemel Hempstead</u>	(state/country) <u>Great Britain</u>			
	Post Office Address	<u>The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England</u>				
	(Zip Code)	<u>HP1 1RT</u>				
6	Inventor's Signature Inventor:	<u>Edele</u> (first)	<u>NMI</u>	<u>O'MALLEY</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>			
	Post Office Address	<u>9 Kempton Heath, Ashtown, Dublin 7, Ireland</u>				
	(Zip Code)	_____				
7	Inventor's Signature Inventor:	<u>Jerome</u> (first)	<u>NMI</u>	<u>NOLAN</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>			
	Post Office Address	<u>9 Sandyford Downs, Sandyford, Dublin 18, Ireland</u>				
	(Zip Code)	_____				
8	Inventor's Signature Inventor:	<u>Kam</u> (first)	<u>NMI</u>	<u>CHOI</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Tring</u>	(state/country) <u>Great Britain</u>			
	Post Office Address	<u>10 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England</u>				
	(Zip Code)	<u>HP23 4EE</u>				
9	Inventor's Signature Inventor:	<u>Maurice</u> (first)	<u>A</u> MI	<u>GOODFELLOW</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Dunstable</u>	(state/country) <u>Great Britain</u>			
	Post Office Address	<u>27 Oldhill, Dunstable, Bedfordshire, LU6 3ER, England</u>				
	(Zip Code)	<u>LU6 3ER</u>				

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1.	Inventor's Signature Inventor	<u>Bryan J. DONOGHUE</u>	Date	<u> </u>
		(first) MI (last)		GB (citizenship)
	Residence (city)	<u>St Albans</u>	(state/country)	<u>Great Britain</u>
	Post Office Address (Zip Code)	<u>13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England</u> <u>AL1 5VE</u>		
2.	Inventor's Signature Inventor	<u>Quang T. TRAN</u>	Date	<u>15/01/02</u>
		(first) MI (last)		GB (citizenship)
	Residence (city)	<u>Wokingham</u>	(state/country)	<u>Great Britain</u>
	Post Office Address (Zip Code)	<u>3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England</u> <u>RG41 3TR</u>		

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3.	Inventor's Signature	_____	Date	_____
	Inventor:	Eugene (first) NMI O'NEILL (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	7 Deerpark Avenue, Castleknock, Dublin 15, Ireland		
	(Zip Code)	_____		
4.	Inventor's Signature	_____	Date	_____
	Inventor:	David (first) J MI LAW (last) GB (citizenship)		
	Residence (city)	Edinburgh (state/country) Great Britain		
	Post Office Address	F at 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland		
	(Zip Code)	EH3 8DX		
5.	Inventor's Signature	_____	Date	_____
	Inventor:	Paul (first) J MI MORAN (last) IE (citizenship)		
	Residence (city)	Hemel Hempstead (state/country) Great Britain		
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	(Zip Code)	LJ6 3ER		

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1.	Inventor's Signature	_____	Date	_____
	Inventor:	Bryan J. DONOGHUE		GB
		(first) MI (last)		(citizenship)
	Residence (city)	St Albans (state/country)		Great Britain
	Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England		
	(Zip Code)	AL1 5VE		
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	Inventor:	Quang T. TRAN		GB
		(first) MI (last)		(citizenship)
	Residence (city)	Wokingham (state/country)		Great Britain
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3.	Inventor's Signature Inventor:	<u>Eugene C' Neill</u> Eugene (first)	<u>NMI</u> NMI	<u>O'NEILL</u> (last)	Date: <u>24-1/02</u> IE (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>		
	Post Office Address (Zip Code)	<u>7 Deerpark Avenue, Castleknock, Dublin 15, Ireland</u>			
4.	Inventor's Signature Inventor:	<u>David</u> (first)	<u>J</u> MI	<u>LAW</u> (last)	Date: _____ GB (citizenship)
	Residence (city)	<u>Edinburgh</u>	(state/country) <u>Great Britain</u>		
	Post Office Address (Zip Code)	<u>Fiat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland</u> <u>EH3 8DX</u>			
5.	Inventor's Signature Inventor:	<u>Paul</u> (first)	<u>J</u> MI	<u>MORAN</u> (last)	Date: _____ IE (citizenship)
	Residence (city)	<u>Hemel Hempstead</u>	(state/country) <u>Great Britain</u>		
	Post Office Address (Zip Code)	<u>The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England</u> <u>HP1 1RT</u>			
6.	Inventor's Signature Inventor:	<u>Edele</u> (first)	<u>NMI</u> NMI	<u>O'MALLEY</u> (last)	Date: _____ IE (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>		
	Post Office Address (Zip Code)	<u>9 Kempton Heath, Ashtown, Dublin 7, Ireland</u>			
7.	Inventor's Signature Inventor:	<u>Jerome</u> (first)	<u>NMI</u> NMI	<u>NOLAN</u> (last)	Date: _____ IE (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country) <u>Ireland</u>		
	Post Office Address (Zip Code)	<u>9 Sandyford Downs, Sandyford, Dublin 18, Ireland</u>			
8.	Inventor's Signature Inventor:	<u>Kam</u> (first)	<u>NMI</u> NMI	<u>CHOI</u> (last)	Date: _____ GB (citizenship)
	Residence (city)	<u>Tring</u>	(state/country) <u>Great Britain</u>		
	Post Office Address (Zip Code)	<u>10 Chrstchurch Road, Tring, Hertfordshire, HP23 4EE, England</u> <u>HP23 4EE</u>			
9.	Inventor's Signature Inventor:	<u>Maurice</u> (first)	<u>A</u> MI	<u>GOODFELLOW</u> (last)	Date: _____ GB (citizenship)
	Residence (city)	<u>Dunstable</u>	(state/country) <u>Great Britain</u>		
	Post Office Address (Zip Code)	<u>27 Oldhill, Dunstable, Bedfordshire, LU6 3ER, England</u> <u>LU6 3ER</u>			

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22204-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s)

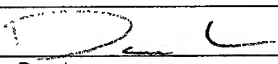
1.	Inventor's Signature	_____	Date: _____
	Inventor:	Bryan J. DONOGHUE (first) MI (last)	GB (citizenship)
	Residence (city)	St Albans (state/country) Great Britain	
	Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England	
	(Zip Code)	AL1 5VE	
2.	Inventor's Signature	_____	Date: _____
	Inventor:	Quang T. TRAN (first) MI (last)	GB (citizenship)
	Residence (city)	Wokingham (state/country) Great Britain	
	Post Office Address	3 Tigerseye Close, Wokingham, Berkshire, RG41 3TR, England	
	(Zip Code)	RG41 3TR	

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RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Nixon & Vanderhye P.C. (12/95)

Page 2

3	Inventor's Signature	_____	Date.	_____
	Inventor:	Eugene (first) NMI O'NEILL (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	7 Deerpark Avenue, Castleknock, Dublin 15, Ireland		
	(Zip Code)	_____		
4	Inventor's Signature		Date	24/01/02
	Inventor:	David (first) J MI LAW (last) GB (citizenship)		
	Residence (city)	Edinburgh (state/country) Great Britain		
	Post Office Address	Fiat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland		
	(Zip Code)	EH3 8DX		
5	Inventor's Signature	_____	Date.	_____
	Inventor:	Paul (first) J MI MORAN (last) IE (citizenship)		
	Residence (city)	Hemel Hempstead (state/country) Great Britain		
	Post Office Address	The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England		
	(Zip Code)	HP1 1RT		
6	Inventor's Signature	_____	Date:	_____
	Inventor:	Edele (first) NMI O'MALLEY (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Kempton Heath, Ashtown, Dublin 7, Ireland		
	(Zip Code)	_____		
7	Inventor's Signature	_____	Date:	_____
	Inventor:	Jerome (first) NMI NOLAN (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Sandyford Downs, Sandyford, Dublin 18, Ireland		
	(Zip Code)	_____		
8	Inventor's Signature	_____	Date	_____
	Inventor:	Kam (first) NMI CHOI (last) GB (citizenship)		
	Residence (city)	Tring (state/country) Great Britain		
	Post Office Address	17 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England		
	(Zip Code)	HP23 4EE		
9	Inventor's Signature	_____	Date	_____
	Inventor:	Maurice (first) A MI GOODFELLOW (last) GB (citizenship)		
	Residence (city)	Dunstable (state/country) Great Britain		
	Post Office Address	27 Oldhill, Dunstable, Bedfordshire, LU6 3ER, England		
	(Zip Code)	LU6 3ER		

105518DI

RULE 63 (37 C.F.R. 1.63)
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As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CASCADE SYSTEM FOR NETWORK UNITS

the specification of which (check applicable box(s))

- ☒ is attached hereto
☐ was filed on

as U.S. Application Serial No.

(Atty Dkt. No. _____)

- ☐ was filed as PCT International application No. _____ on _____

and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application.

Priority Foreign Application(s)

Application Number

Country
Great Britain

Day/Month/Year Filed
22 December 2001

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 119/365, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application.

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented
pending, abandoned

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1. Inventor's Signature	_____	Date	_____
Inventor	Bryan J. DONOGHUE		GB
	(first) MI (last)		(citizenship)
Residence (city)	St Albans	(state/country)	Great Britain
Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England		
(Zip Code)	AL1 5VE		
2. Inventor's Signature	_____	Date	_____
Inventor	Quang T. TRAN		GB
	(first) MI (last)		(citizenship)
Residence (city)	Wokingham	(state/country)	Great Britain
Post Office Address	3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England		
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Nixon & Vanderhye P.C. (12/95)

Page 2

3.	Inventor's Signature	_____	Date	_____
	Inventor:	Eugene (first) NMI O'NEILL (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	7 Deerpark Avenue, Castleknock, Dublin 15, Ireland		
	(Zip Code)	_____		
4.	Inventor's Signature	_____	Date	_____
	Inventor:	David (first) J MI LAW (last) GB (citizenship)		
	Residence (city)	Edinburgh (state/country) Great Britain		
	Post Office Address	Flat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland		
	(Zip Code)	EH3 8DX		
5.	Inventor's Signature	<u>Paul S Moran</u>	Date	<u>15/Jan/2002</u>
	Inventor:	Paul (first) J MI MORAN (last) IE (citizenship)		
	Residence (city)	Hemel Hempstead (state/country) Great Britain		
	Post Office Address	The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England		
	(Zip Code)	HP1 1RT		
6.	Inventor's Signature	_____	Date	_____
	Inventor:	Edele (first) NMI O'MALLEY (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Kempton Heath, Ashtown, Dublin 7, Ireland		
	(Zip Code)	_____		
7.	Inventor's Signature	_____	Date	_____
	Inventor:	Jerome (first) NMI NOLAN (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Sandyford Downs, Sandyford, Dublin 18, Ireland		
	(Zip Code)	_____		
8.	Inventor's Signature	_____	Date	_____
	Inventor:	Kam (first) NMI CHOI (last) GB (citizenship)		
	Residence (city)	Tring (state/country) Great Britain		
	Post Office Address	10 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England		
	(Zip Code)	HP23 4EE		
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CASCADE SYSTEM FOR NETWORK UNITS

the specification of which (check applicable box(s))

- ☒ is attached hereto
☐ was filed on _____

as U.S. Application Serial No. _____

(Atty Dkt. No. _____)

☐ was filed as PCT International application No. _____ on _____

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Priority Foreign Application(s)

Application Number

0130798.2

Country
Great Britain

Day/Month/Year Filed
22 December 2001

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below

Application Number

Date/Month/Year Filed

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1.	Inventor's Signature	_____	Date	_____
	Inventor	Bryan J. DONOGHUE (first) (last)		GB (citizenship)
	Residence (city)	St Albans (state/country)	Great Britain	
	Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England		
	(Zip Code)	AL1 5VE		
2.	Inventor's Signature	_____	Date	_____
	Inventor	Quang T. TRAN (first) (last)		GB (citizenship)
	Residence (city)	Wokingham (state/country)	Great Britain	
	Post Office Address	3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England		
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Nixon & Vanderhye P.C. (12/95)

Page 2

3	Inventor's Signature Inventor	Eugene (first)	NMI	O'NEILL (last)	Date:	IE (citizenship)
	Residence (city)	Dublin		(state/country)	Ireland	
	Post Office Address	7 Deerpark Avenue, Castleknock, Dublin 15, Ireland				
	(Zip Code)					
4	Inventor's Signature Inventor	David (first)	J MI	LAW (last)	Date:	GB (citizenship)
	Residence (city)	Edinburgh		(state/country)	Great Britain	
	Post Office Address	Flat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland				
	(Zip Code)	EH3 8DX				
5	Inventor's Signature Inventor	Paul (first)	J MI	MORAN (last)	Date:	IE (citizenship)
	Residence (city)	Hemel Hempstead		(state/country)	Great Britain	
	Post Office Address	The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England				
	(Zip Code)	HP1 1RT				
	Inventor's Signature Inventor	<i>Edele O'Malley</i> Edele (first)			Date:	14-Jan-2002 O'MALLEY (last) IE (citizenship)
	Residence (city)	Dublin		(state/country)	Ireland	
	Post Office Address	9 Kempton Heath, Ashtown, Dublin 7, Ireland				
	(Zip Code)					
	Inventor's Signature Inventor	Jerome (first)	NMI	NOLAN (last)	Date:	IE (citizenship)
	Residence (city)	Dublin		(state/country)	Ireland	
	Post Office Address	9 Sandyford Downs, Sandyford, Dublin 18, Ireland				
	(Zip Code)					
6	Inventor's Signature Inventor	Kam (first)	NMI	CHOI (last)	Date:	GB (citizenship)
	Residence (city)	Tring		(state/country)	Great Britain	
	Post Office Address	19 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England				
	(Zip Code)	HP23 4EE				
9	Inventor's Signature Inventor	Maurice (first)	A MI	GOODFELLOW (last)	Date:	GB (citizenship)
	Residence (city)	Dunstable		(state/country)	Great Britain	
	Post Office Address	27 Oldhill, Dunstable, Bedfordshire, LU6 3ER, England				
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Application Number
0130798.2

Country
Great Britain

Day/Month/Year Filed
22 December 2001

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1.	Inventor's Signature Inventor	Bryan J. DONOGHUE (first) MI (last)	Date: _____	GB (citizenship)
	Residence (city)	St Albans (state/country) Great Britain		
	Post Office Address (Zip Code)	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England AL1 5VE		
2.	Inventor's Signature Inventor	Quang T. TRAN (first) MI (last)	Date: _____	GB (citizenship)
	Residence (city)	Wokingham (state/country) Great Britain		
	Post Office Address (Zip Code)	3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England RG41 3TR		

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Nixon & Vanderhye P C (12/95)

Page 2

3.	Inventor's Signature Inventor:	<u>Eugene</u> (first)	<u>NMI</u>	<u>O'NEILL</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country)		<u>Ireland</u>	
	Post Office Address (Zip Code)	<u>7 Deerpark Avenue, Castleknock, Dublin 15, Ireland</u>				
4.	Inventor's Signature Inventor:	<u>David</u> (first)	<u>J</u> MI	<u>LAW</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Edinburgh</u>	(state/country)		<u>Great Britain</u>	
	Post Office Address (Zip Code)	<u>Fiat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland</u> <u>EH3 8DX</u>				
5.	Inventor's Signature Inventor:	<u>Paul</u> (first)	<u>J</u> MI	<u>MORAN</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Hemel Hempstead</u>	(state/country)		<u>Great Britain</u>	
	Post Office Address (Zip Code)	<u>The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England</u> <u>HP1 1RT</u>				
6.	Inventor's Signature Inventor:	<u>Edele</u> (first)	<u>NMI</u>	<u>O'MALLEY</u> (last)	Date: _____	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country)		<u>Ireland</u>	
	Post Office Address (Zip Code)	<u>9 Kempton Heath, Ashtown, Dublin 7, Ireland</u>				
7.	Inventor's Signature Inventor:	<u><i>Jerome Nolan</i></u> Jerome (first)	<u>NMI</u>	<u>NOLAN</u> (last)	Date: <u>15 / 01 / 02</u>	<u>IE</u> (citizenship)
	Residence (city)	<u>Dublin</u>	(state/country)		<u>Ireland</u>	
	Post Office Address (Zip Code)	<u>9 Sandyford Downs, Sandyford, Dublin 18, Ireland</u>				
8.	Inventor's Signature Inventor:	<u>Kam</u> (first)	<u>NMI</u>	<u>CHOI</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Tring</u>	(state/country)		<u>Great Britain</u>	
	Post Office Address (Zip Code)	<u>10 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England</u> <u>HP23 4EE</u>				
9.	Inventor's Signature Inventor:	<u>Maurice</u> (first)	<u>A</u> MI	<u>GOODFELLOW</u> (last)	Date: _____	<u>GB</u> (citizenship)
	Residence (city)	<u>Dunstable</u>	(state/country)		<u>Great Britain</u>	
	Post Office Address (Zip Code)	<u>27 Oldhill, Dunstable, Bedfordshire, LU6 3ER, England</u> <u>LU6 3ER</u>				

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RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CASCADE SYSTEM FOR NETWORK UNITS

The specification of which (check applicable box(s))

- ☒ is attached hereto
☐ was filed on

as U.S. Application Serial No.

(Atty Dkt. No.)

☐ was filed as PCT International application No.

on

and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application

Priority Foreign Application(s)

Application Number

Country
Great Britain

Day/Month/Year Filed
22 December 2001

0130798.2

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below

Date/Month/Year Filed

Application Number

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 119, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented
pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327, Larry S. Nixon, 25640; Robert A. Vanderhye, 27076, James T. Hosmer, 30184; Robert W. Faris, 31352, Richard G. Basha, 22770, Mark E. Nusbaum, 32348, Michael J. Keenan, 32106; Bryan H. Davidson, 30251, Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009, Duane M. Byers, 33363, Jeffrey H. Nelson, 30481, John R. Lastova, 33149, H. Warren Burnam, Jr. 29366, Thomas E. Byrne, 32205, Mary J. Wilson, 32955, J. Scott Davidson, 33489, Alan M. Kagen, 36178, Robert A. Molan, 29834; B. J. Sadoff, 36663, James D. Berquist, 34776; Updeep S. Gill, 37334, Michael J. Shea, 34725, Donald L. Jackson, 41090; Michelle N. Lester, 32331, Frank P. Presta, 19828, Joseph S. Presta, 35329. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s)


1.	Inventor's Signature	_____	Date:	_____
	Inventor	Bryan J. DONOGHUE (first) MI (last)		GB (citizenship)
	Residence (city)	St Albans (state/country)		Great Britain
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	(Zip Code)	AL1 5VE		
2.	Inventor's Signature	_____	Date:	_____
	Inventor	Quang T. TRAN (first) MI (last)		GB (citizenship)
	Residence (city)	Wokingham (state/country)		Great Britain
	Post Office Address	3 Tigersey Close, Wokingham, Berkshire, RG41 3TR, England		
	(Zip Code)	RG41 3TR		

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Nixon & Vanderhye P C (12/95)

Page 2

3.	Inventor's Signature	_____	Date:	_____
	Inventor	Eugene (first) NMI O'NEILL (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	7 Deerpark Avenue Castleknock, Dublin 15, Ireland		
	(Zip Code)	_____		
4.	Inventor's Signature	_____	Date	_____
	Inventor	David (first) J MI LAW (last) GB (citizenship)		
	Residence (city)	Edinburgh (state/country) Great Britain		
	Post Office Address	Fiat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland		
	(Zip Code)	EH3 8DX		
5.	Inventor's Signature	_____	Date	_____
	Inventor	Paul (first) J MI MORAN (last) IE (citizenship)		
	Residence (city)	Hemel Hempstead (state/country) Great Britain		
	Post Office Address	The Bye, 120 Green End Road, Hemel Hempstead, Hertfordshire, HP1 1RT, England		
	(Zip Code)	HP1 1RT		
	Inventor's Signature	_____	Date	_____
	Inventor	Edele (first) NMI O'MALLEY (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Kempton Heath, Ashtown, Dublin 7, Ireland		
	(Zip Code)	_____		
	Inventor's Signature	_____	Date	_____
	Inventor	Jerome (first) NMI NOLAN (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Sandford Downs, Sandford, Dublin 18, Ireland		
	(Zip Code)	_____		
	Inventor's Signature		Date.	15/1/2002
	Inventor	Kam (first) NMI CHOI (last) GB (citizenship)		
	Residence (city)	Tring (state/country) Great Britain		
	Post Office Address	10 Christchurch Road, Tring, Hertfordshire, HP23 4EE, England		
	(Zip Code)	HP23 4EE		
9.	Inventor's Signature	_____	Date:	_____
	Inventor	Maurice (first) A MI GOODFELLOW (last) GB (citizenship)		
	Residence (city)	Dunstable (state/country) Great Britain		
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	(Zip Code)	LU6 3ER		

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Priority Foreign Application(s)

Application Number

0130798.2

Country

Great Britain

Day/Month/Year Filed

22 December 2001

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below

Application Number

Date/Month/Year Filed

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Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented
pending, abandoned

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1.	Inventor's Signature	_____	Date	_____
	Inventor	Bryan J. DONOGHUE (first) MI (last)		GB (citizenship)
	Residence (city)	St Albans (state/country)	Great Britain	
	Post Office Address	13 Ashtree Court, Granville Road, St Albans, Hertfordshire, AL1 5VE, England		
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2.	Inventor's Signature	_____	Date	_____
	Inventor	Quang T. TRAN (first) MI (last)		GB (citizenship)
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	Post Office Address	3 Tigerseye Close, Wokingham, Berkshire, RG41 3TR, England		
	(Zip Code)	RG41 3TR		

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Nixon & Vanderhye P.C. (12/95)

Page 2

3.	Inventor's Signature	_____	Date:	_____
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	Residence (city)	Dublin (state/country) Ireland		
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4.	Inventor's Signature	_____	Date:	_____
	Inventor:	David (first) J MI LAW (last) GB (citizenship)		
	Residence (city)	Edinburgh (state/country) Great Britain		
	Post Office Address	Flat 10, 11 Morrison Circus, Edinburgh, EH3 8DX, Scotland		
	(Zip Code)	EH3 8DX		
5.	Inventor's Signature	_____	Date:	_____
	Inventor:	Paul (first) J MI MORAN (last) IE (citizenship)		
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	(Zip Code)	HP1 1RT		
6.	Inventor's Signature	_____	Date:	_____
	Inventor:	Edele (first) NMI O'MALLEY (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Kempton Heath, Ashtown, Dublin 7, Ireland		
	(Zip Code)	_____		
7.	Inventor's Signature	_____	Date:	_____
	Inventor:	Jerome (first) NMI NOLAN (last) IE (citizenship)		
	Residence (city)	Dublin (state/country) Ireland		
	Post Office Address	9 Sandyford Downs, Sandyford, Dublin 18, Ireland		
	(Zip Code)	_____		
8.	Inventor's Signature	_____	Date:	_____
	Inventor:	Kam (first) NMI CHOI (last) GB (citizenship)		
	Residence (city)	Tring (state/country) Great Britain		
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9.	Inventor's Signature	_____	Date:	16 JAN 2002
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